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(54) Title: SECRETED PROTEINS AND USES THEREOF

(57) Abstract: The invention provides isolated nucleic acid molecules, designated TANGO 253, which encode proteins containing C1q domains and which are homologous to a human adipocyte complement-mediated protein precursor, TANGO 257, which encode proteins homologous to the human extracellular molecule olfactomedin, a molecule important in the maintenance, growth and differentiation of chemosensory cilia of olfactory neurons, INTERCEPT 258, which encode Ig domain-containing proteins that exhibit homology to an antigen (A33) expressed in colonic and small bowel epithelium, and TANGO 281, which encode proteins downregulated in megakaryocytes that fail to express the gata-1 transcription factor (a factor critical for blood cell formation) and can, therefore, represent direct or indirect gata-1 targets. The invention also provides antisense nucleic acid molecules, expression vectors containing the nucleic acid molecules of the invention, host cells into which the expression vectors have been introduced, and non-human transgenic animals in which a nucleic acid molecule of the invention has been introduced or disrupted. The invention still further provides isolated polypeptides, fusin polypeptides, antigenic peptides and antibodies. Diagnostic, screening and therapeutic methods utilizing compositions of the invention are also provided.